

108 DAYS ONLINE COACHING DAY(83) - 19/12/2019 THURSDAY

Number systems



Name of the candidate *

M3

Place of the candidate *

Thiruvananthapuram

WHATS APP NUMBER (JOINED IN SAI EDUCATION ONLINE) *

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Please watch the videos below and answer the questions that follow

https://youtu.be/-dI9CL5_VMQ
https://youtu.be/tigE_FDGaOI
<https://youtu.be/Bh9LGrskH4>

1.The difference between a number and $\frac{1}{5}$ of it is 24. Then what is the number. * 1 point

- 42
- 30
- 12
- 21

2. 5 tables and 6 chairs costs Rs 2500 and 3 tables and 2 chairs costs Rs 1300 .What is the cost of 1 table and 1 chair * 1 point

- 745
- 657
- 475
- 574

3. $\frac{2}{3}$ of half of a number is 18.What is one third of that number. * 1 point

- 8
- 81
- 18
- 11

4. $8\frac{1}{3}\%$ of 1200 + $33\frac{1}{3}$ of 333 = *

1 point

- 112
- 211
- 121
- 111

5. $99099/99 = *$

1 point

- 0001
- 0011
- 1001
- 1100

6. $16^{3/4} = *$

1 point

- 2
- 4
- 6
- 8

7. $16 - [9 - \{8 - (7 - 6)\}] = *$

1 point

- 16
- 14
- 12
- 18

8. The sum of 2 numbers is twice of its difference .If the small number is 60. What will be the large number? *

1 point

- 60
- 120
- 180
- 140

9. $9,99,999 / 33 / 3 *$

1 point

- 11001
- 10101
- 10011
- 11100

10. If a number is divided by 51,27 is the remainder .If the same number is divided by 17, then what will be the remainder * 1 point

- 10
- 51
- 17
- 27

11. Half of one-third of $\frac{3}{4}$ of the number is 120. What is the number * 1 point

- 690
- 960
- 96
- 69

12. $724^2 - 276^2 = *$ 1 point

- 448000
- 44800
- 4480
- 4480000

13. 25% of a number is 2 time 65% of another number.Find the ratio of the second no to the first number ? *

1 point

- A)5:26
- B)26:5
- C)23:7
- D)5:23

14. What is the number if 60% of it added to 60 gives the number itself ? *

1 point

- A)150
- B)160
- C)170
- D)180

15. $\frac{9}{16}$ of a number is 51 greater than 50% of the number, then the number is *

1 point

- A)618
- B)168
- C)816
- D)186

16. The sum of the number and its square is 1406. What is the number ? *

1 point

- A)47
- B)42
- C)32
- D)37

17. The number is 0.01 is how many times as great as the number $(0.0001)^2$ *

1 point

- A) 10^5
- B) 10^6
- C) 10^4
- D) 10^3

18. In a bag there are coins of 25 paise and 10 paise in the ratio of 5:16. If the bag contains Rs.16 then the number of 10 paise coin is *

1 point

- A)86
- B)87
- C)88
- D)90

19. $a+b = c$ and $abc = 30$, then what is the value of $a^3 + b^3 - c^3$? *

1 point

- A)60
- B)90
- C)-90
- D)-60

20. $a^2 + b^2 + c^2 = ab + bc + ca$ then the value of $(a+b)/(b+c)$ is *

1 point

- A)1
- B)2
- C)3
- D)4

21. $(a-b) = 1$, $(b-c) = 2$ and $(c-a) = 3$ then the value of $(a^3+b^3+c^3-3abc)/(a+b+c)$ is * 1 point

- A)5
- B)6
- C)7
- D)8

22. If $*=+$, $/=-$, $+ = *$, $- = /$ then $43*561+500-100/10 = ?$ *

1 point

- A)3211
- B)2388
- C)2883
- D)2838

23. The sum of three consecutive multiple of 4 is 72 .What is the largest number ? *

1 point

- A)26
- B)20
- C)28
- D)14

24. If the number obtained on interchanging the digits of a 2 digit number is 18 more than the original number and the sum of the digit is 8.Then what is the original number? *

1 point

- A)35
- B)53
- C)32
- D)34

25. The sum of three number is 264. If the first number be twice the second and third number be one third of the first then the second number is *

1 point

- A)82
- B)72
- C)76
- D)87

Thankyou!!

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